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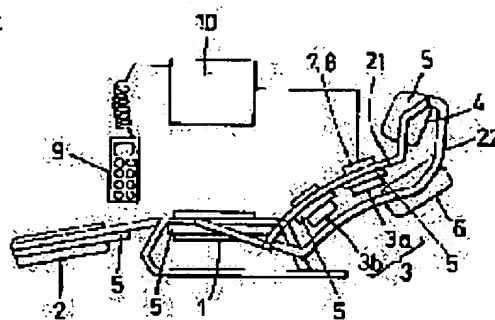
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(54) CHAIR TYPE MASSAGER

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a chair type massager made comfortable to sit in as a chair, capable of adjusting the massaging intensity of each part of a human body at the time of massage treatment and having function for performing proper massage treatment corresponding to the demands of various users.

SOLUTION: The respective surface parts of a seat part 1, a leg placing stand 2, a back part 3 and a head part 4 are constituted by parallelly arranging human body support elements 5 comprising a short strip-like fabric and the individual human body support elements 5 are equipped with support state adjusting means 7 altering the support states determined by the tensions of the elements 5 and the tension or the like of the sheet fabric of each support element 5 is detected by a support state detection means 8 to control each support state adjusting means 7 by a support state setting means 9 and a support state control means 10. The support state can be altered corresponding to the taste and purpose of a user.



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CLAIMS

[Claim(s)]

[Claim 1] All or a part of a user's weights are supported. At least The contact part on said user's tooth back of the body, It is the chair type massage machine equipped with the means. said contact part -- setting -- said body tooth back -- receiving -- a massage -- the massage which gives free medical treatment -- free medical treatment -- One or two or more body support elements which have been arranged at juxtaposition with which said contact part consists of strip-of-paper-like sheet textiles which are prolonged in a longitudinal direction to said body, and form the back face to said body tooth back of said contact part, The chair type massage machine with which it has the frame which arranges said body support element on the top face, and said body support element is characterized by constituting possible [adjustment] with an adjustment means to adjust the tension or die length of said strip-of-paper-like sheet arranged on said frame.

[Claim 2] The chair type massage machine according to claim 1 characterized by having the leg rest which said contact part was connected at least the seat and ahead [seat] free [attachment and detachment], and constituted possible [include-angle modification] to said seat, and the background which connects with said seat back end and is put down to said seat.

[Claim 3] The chair type massage machine according to claim 1 or 2 carry out having the control means by which said body support element controls said adjustment means based on the signal from a body support condition setting means to by which have a body support condition detection means detect the support condition, and a user inputs and sets up the amount of modification to said body support element, and the body support status information from said body support condition detection means and said body support condition setting means as the description.

[Claim 4] said massage -- free medical treatment -- the free medical treatment which gives free medical treatment by a means touching the body directly or indirectly -- with a child said free medical treatment -- a load detection means to detect the load which a child exerts on the body, and free medical treatment -- the free medical treatment which detects a child location -- it having a child location detection means and with the load information detected from said load detection means in each part of the body the massage in that case -- the chair type massage machine according to claim 1 to 3 characterized by having optimal massage load condition data which

consist of relation with the satisfaction level as free medical treatment inside a control means.

DETAILED DESCRIPTION

[Detailed Description of the Invention]

[0001]

[Field of the Invention] this invention -- comfortableness or a fir -- it is related with the chair type massage machine which makes a feeling good.

[0002]

[Description of the Prior Art] it is shown to drawing 11 by the conventional chair type massage machine illustrated to drawing 10 -- like, the gap section 36 is formed in background 35 center section, and pressure peculiar to the body, a light blow, etc. are done -- as -- exercising -- a massage -- free medical treatment -- the free medical treatment which gives effectiveness -- structure where a child 16 is arranged is made general. in this case, the covering 37 having a cushion -- preparing -- the body and free medical treatment -- the method of making it intervene among children 16 etc. is used widely.

[0003] On the other hand, as shown in drawing 12 , the thing which enabled it to change the location of the location Sagitta side of the substantial front face which the back also hangs down is also known by arranging the air bag 39 which becomes the front-face Sagitta section 38 of background 35 etc. from many air space, and expanding each air space of these air bags 39 according to an individual by the air conditioning tongue group 41 connected to the compressor unit 40.

[0004]

[Problem(s) to be Solved by the Invention] the conventional chair type massage machine which was described above -- setting -- a massage -- free medical treatment, although it is required for the body to contact indirectly through direct or covering material etc. and it is necessary to prepare the gap section for it in a background center section, since a child is free medical treatment the time of using it as a chair -- next time -- a body tooth back -- a massage -- free medical treatment -- there was a problem that it caused sense of incongruity and displeasure that the corner in a child or the gap section of the background etc. contacts directly or indirectly. moreover, a massage -- free medical treatment -- being related -- a body back face and free medical treatment -- the case where relation with a child is being fixed -- free medical treatment -- it was very difficult not to consider individual

difference, such as the physique, at all, but for the physical burden which a child gives to the body to serve as about 1 law, and to change the setup with a user's intention. For this reason, all the users were in the situation far from the ability to use it comfortably.

[0005] the proposal of arranging in the front face of the background the air bag which has two or more air chambers to the above problem, and changing a body back-face location -- it is -- the body and free medical treatment -- by adjusting distance with a child It is related with reservation of the amenity of sitting positions other than the time. a massage -- free medical treatment -- a little less than ["too painful" "] at the time -- it passes -- " -- etc. -- although the dissatisfaction can be eased to some extent -- a massage -- free medical treatment -- free medical treatment, such as a corner in the gap section of the above-mentioned background, -- effectiveness until it obtains comfortableness nature comparable as a general personal chair for the sense of incongruity on the tooth back of the body by contact of a child was not expectable. covering which similarly contained the cushion -- the body and free medical treatment -- the sense of incongruity of the background gap section described above by making it intervene between a child and the background -- mitigating -- a massage -- free medical treatment -- the result which should be satisfied is not obtained although to improve comfortableness other than the time is also tried. moreover, a massage -- free medical treatment -- even if it became weakening a hit by sometimes using covering, it was difficult to strengthen conversely and it was impossible to have adjusted a setup flexibly according to each demand of a user as a matter of fact.

[0006] while this invention was made in view of the above trouble and raises the comfortableness as a chair in a chair type massage machine -- a massage -- free medical treatment -- the fir of each part of the body at the time -- each demand of users various [that strength, i.e., a load level, can be adjusted freely] -- responding -- flexible -- a suitable massage -- it is going to offer the chair type massage machine equipped with the function to give free medical treatment.

[0007]

[Means for Solving the Problem] If it is in invention of a chair type massage machine according to claim 1 in order to solve the above-mentioned technical problem All or a part of a user's weights are supported. At least The contact part on said user's tooth back of the body, It is the chair type massage machine equipped with the means. said contact part -- setting -- said body tooth back -- receiving -- a massage -- the massage which gives free medical treatment -- free medical treatment -- One or two

or more body support elements which have been arranged at juxtaposition with which said contact part consists of strip-of-paper-like sheet textiles which are prolonged in a longitudinal direction to said body, and form the back face to said body tooth back of said contact part, It has the frame which arranges said body support element on the top face, and said body support element is characterized by constituting possible [adjustment] with an adjustment means to adjust the tension or die length of said strip-of-paper-like sheet arranged on said frame.

[0008] If it is in invention according to claim 2, it is characterized by having the leg rest which said contact part was connected at least the seat and ahead [seat] free [attachment and detachment] in the chair type massage machine according to claim 1, and was constituted possible [include-angle modification] to said seat, and the background which connects with said seat back end and is put down to said seat.

[0009] If it is in invention according to claim 3, it has a body support condition detection means by which said body support element detects the support condition in a chair type massage machine according to claim 1 or 2. It is characterized by having the control means which controls said adjustment means based on the signal from a body support condition setting means by which a user inputs and sets up the amount of modification to said body support element, and the body support status information from said body support condition detection means and said body support condition setting means.

[0010] if it is in invention according to claim 4 -- a chair type massage machine according to claim 1 to 3 -- setting -- said massage -- free medical treatment -- the free medical treatment which gives free medical treatment by a means touching the body directly or indirectly -- with a child It has a child location detection means. said free medical treatment -- a load detection means to detect the load which a child exerts on the body, and free medical treatment -- the free medical treatment which detects a child location -- the load information detected from said load detection means in each part of the body, and the massage in that case -- it is characterized by having optimal massage load condition data which consist of relation with the satisfaction level as free medical treatment inside a control means.

[0011]

[Embodiment of the Invention] Hereafter, the operation gestalt of this invention is explained based on a drawing. First, drawing 1 and drawing 2 explain the fundamental configuration of the chair type massage machine of this operation gestalt. The seat 1 to which this chair type massage machine supports a taking-a-seat person's hip, and the leg rest 2 connected with the front end of the seat, the regions of back which

connect with the back end of the seat and are put down -- with 3 (constituted from two parts, 3a and 3b, by this operation gestalt) a head 4, and the above seat 1, a leg rest 2 and regions of back -- in the chair structure which consists of a body support element 5 which consists of two or more sheet textiles which constitute 3 and each surface section of a head 4, and a frame 21 mentioned later It moves free in the rail-for-movable-rack 22 top later mentioned in the direction of the back from near a taking-a-seat person's (user) hip upper part to a crest. the free medical treatment which adds moderate pressure, a blow, etc. to a taking-a-seat person tooth back -- the massage which has a child 16 (refer to drawing 3) -- free medical treatment -- it is characterized by having a means 6 at the tooth back of the body support element 5. the seat 1, a leg rest 2, and regions of back -- 3 and each surface section of a head 4 carry out the parallel array of the body support element 5 which consists of sheet textiles of the shape of a strip of paper prolonged in a longitudinal direction, and are constituted.

[0012] Although drawing 1 illustrates the support condition adjustment means 7 and the support condition detection means 8 which were built in regions-of-back 3a and the relation between these, the support condition setting means 9, and the support state control means 10 is shown typically 3 and the body support element 5 of a head 4 are equipped with the support condition adjustment means 7 and the support condition detection means 8 of changing the support condition determined with the tension or die length (drawing 2). this operation gestalt -- the seat 1, a leg rest 2, and regions of back -- It has composition controlled by the support condition setting means 9 and the support state control means 10 which these all described above. That is, detecting the tension or die length of sheet textiles of each support element 5 with the support condition detection means 8, by controlling the support condition adjustment means 7 by the support condition setting means 9 and the support state control means 10, it is constituted so that a support condition can be changed according to liking of a user and the purpose (drawing 1 R> 1). Moreover, at drawing 1 , although the arrangement part of the support state control means 10 is not specified, as long as there is no trouble in actuation of the chair type massage machine of this operation gestalt, there is not no constraint about this also until it says.

[0013] The adjustment means of the body support element 5 consists of sheet textiles material supporters 13 which move in the direction perpendicular to the direction of the back by said direct-acting mold motor 11 in the direct-acting mold motor 11, direct-acting unit 12, and direct-acting unit 12 top as shown in drawing 3 . The sheet textiles material supporter 13 to the direction of the back and a

perpendicular direction can be expanded and contracted, and the tension of the sheet textiles of the body support element 5 can be changed free according to liking of a user by reversing the polarity of the power source of a motor 11. A strain gage (not shown) can be stuck on the top in this case, for example, said sheet textiles material supporter 13 shaft, and support condition detection means 8a which detects the tension of the body support element 5 from deformation of a bearing bar can be constituted. Moreover, it can also consider as the device in which said sheet textiles die length is changed, by rotating the roller 15 for rolling up directly linked with the motor 14 as shown in drawing 4 . In this case, the support condition of the body support element 5 is detectable by arranging support condition detection means 8b which measures the die length of the body support element 5 by detecting the rotational frequency of the roller 15 for rolling up, and a motor 14.

[0014] by consider as the configuration equipped with the actuation input section of the carbon buttons for make the support condition setting means 9 transform each part back face of the body support element 5 into a favorite configuration so that it may illustrate to drawing 5 , a user can send the signal which change the tension or die length of said sheet textiles to the support state control means 10 according to liking of self . That is, based on the support condition detection information on the time of being obtained by the support status-change signal and the support condition detection means 8 which were sent from the support condition setting means 9, the support state control means 10 sends out the indication signal of the support status change according to a setup to the support condition adjustment means 7. By combining and having the memory function which memorizes a user's support condition determined as the support state control means 10 based on the above actuation, this can be called if needed and the optimal support condition can be considered as a quickly reproducible configuration for every user. such an optimal support condition -- a massage -- when giving free medical treatment, naturally it is also possible not to use it as a massage machine, but to be able to specify in both in the case of the use gestalt only as a chair, and to constitute the support state control means 10 so that it may have such every user and the storage means of the setups for every operating condition.

[0015] on the other hand -- a massage -- free medical treatment -- the free medical treatment which gives free medical treatment by a means 6 doing a stimulus directly [the body] or indirectly -- the load which has a child 16 and is given to the body for massage free medical treatment -- this free medical treatment -- it is computable from the load concerning a child 15. in order to measure such a load, it is shown in

drawing 6 -- as -- free medical treatment -- building a pressure sensor 17 into the part in contact with a child's 16 body **** -- free medical treatment -- deformation of the rod 18 of a child supporter is measured using a strain gauge 19 etc., and it can attain by introducing a load detection means 20 to compute the burden to the body.

[0016] free medical treatment -- a child's 16 positional information -- a massage -- in free medical treatment, it is very important information. When an example is given, with a shoulder and the lumbar part, the strength of the load called for even if it is the same people differing greatly is well known in experience every day. the massage which has a self-propelled function in the chair type massage machine of this operation gestalt -- free medical treatment, although a means 6 moves along with the rail for movable rack 22 fixed to the frame 21 free medical treatment -- the mechanical switch (not shown) with which the information on a child location was installed in rail-for-movable-rack 22 every place -- a massage -- free medical treatment -- the approach of detecting by moving switching by the projection prepared in means 6 body -- the body of revolution 23 contacted and rotated to a rail for movable rack 22 as shown in drawing 7 -- free medical treatment -- the free medical treatment detected with the rotary encoder 24 with which it prepared in means 6 body and the rotational frequency and migration direction were directly linked by the revolving shaft -- establishing the child location detection means 25 -- free medical treatment -- location detection of a child is attained.

[0017] here -- the support state control means 10 -- the interior -- free medical treatment -- the massage considered to be the optimal according to a child's 16 location -- free medical treatment -- it is constituted so that it may have the value of the burden which gives a user effectiveness as a data table. The mimetic diagram of this data table is shown in drawing 8 . such a data table consists of data statistically built according to a user's attribute data, for example, the physique, age, sex, etc. -- having -- a user -- free medical treatment -- the massage which was most suitable for self easily by sometimes setting up an own attribute in advance -- free medical treatment -- it is able to enable it to choose conditions.

[0018] It consists of chair type massage machines of this operation gestalt so that two kinds of actuation, the setting mode C and the modes A and B used, may be carried out. The setting mode C is the mode in which a support condition setup of each part body support element 5 at the time of using a chair type massage machine as a chair is performed. The support condition of each part is doubled with liking by button grabbing of the support condition setting means 9, and the support state control means 10 interior is made to memorize the condition. Under the present

circumstances, a setup for every user is memorizable using a support condition setting means 9 to illustrate to drawing 5 R> 5, respectively.

[0019] Drawing 5 is the above-mentioned thing which shows the example of a typical configuration of the support condition setting means 9 like. The user selection carbon button 26 which chooses the user mode for every user, "chair (as a chair) The *****" carbon button 27 and "massage" carbon button 28 grade the support condition setting section 29 which it had, the seat 1, and a leg rest 2 -- regions-of-back 3 And it has the body support element adjustment carbon button 30 which adjusts the everybody object support element 5 which reaches a head 4, "setup / storage" carbon button 31 which makes the determined support condition memorize and the user selection carbon button 32, the support condition reappearance mode carbon button 33, and "massage initiation" carbon button 34 grade. A user chooses the user selection carbon button 26 after taking a seat in the support condition setting means 9 shown in drawing 5 R> 5. In case the user selection carbon button 26 is set to selves, it is necessary to choose the carbon button with which the user is not specified but, and LED of user selection carbon button 26 left-hand side shows an established state, and it consists of drawing 5 so that the carbon button which LED has not turned on can be chosen as a non-setup key. Push and a service condition are set up for the "chair (use as chair)" carbon button 27 of the support condition setting section 29 after choosing the user selection carbon button 26. Adjustment of the body support element 5 can be adjusted to a favorite support condition using the body support element adjustment carbon button 30 which displays the adjustment direction of the everybody object support element 5 by the height of each part of the body for every everybody object support element. If the final most desirable support condition is decided and "setup / storage" carbon button 31 is pushed, the optimal support condition for the use as a chair in this user will be memorized. a massage -- free medical treatment -- a condition -- the same -- carrying out -- the user selection carbon button 26, the "massage" carbon button 28 of the support condition setting section 29, the body support element adjustment carbon button 30, and "setup / storage" carbon button 31 grade -- an effective massage -- the optimal support condition for free medical treatment can be made to memorize Moreover, in the above-mentioned operation gestalt, although considered as the configuration which sets up the everybody object support element 5 by making "height of each part of the body" into an index, "strength of tension" or "irregularity of the body" may be made the configuration made into an index instead of "height of each part of the body."

[0020] as mentioned above, the use as a chair or a massage -- if the optimal support condition for free medical treatment is memorized, it is henceforth used as mode A used, and it can reproduce the support condition according to a situation quickly and automatically for every user with the user selection carbon button 32 and the support condition reappearance mode carbon button 33.

[0021] on the other hand -- the mode B used -- an unspecified user -- the chair type massage machine of this operation gestalt -- a massage -- it is the mode to be used in case free medical treatment is given. A user inputs user attributes, such as own age, weight, height, and sex, after taking a seat using the support condition setting means 8. the free medical treatment built in the load information detected by the load detection means 20 by pushing the "massage initiation" carbon button 32 after this, and the support state-control means 10 -- the optimal load condition table which consist of relation with a child location be compared, and using the support condition adjustment means 7 of the body support element 5, it control so that both be in agreement. If the above process is illustrated, it will become like drawing 9 R> 9.

[0022] In addition, it cannot be overemphasized that modification can be variously added within limits which the chair type massage machine of this invention is not limited only to the above-mentioned operation gestalt, and do not deviate from the summary of this invention. Namely, the chair type massage machine concerning this operation gestalt The seat which supports a taking-a-seat person's hip, and the leg rest connected with this, regions of back and a head, In the chair structure which consists of body support elements which consist of two or more sheet textiles which constitute each surface section of the above seat, a leg rest, regions of back, and a head the free medical treatment which moves in the direction of the back from near a taking-a-seat person's (user) hip upper part to a crest free, and adds moderate pressure, a blow, etc. to a taking-a-seat person tooth back -- the massage which has a child -- free medical treatment, although it is the configuration of having a means at the tooth back of said body support element Each part of the body in which it is supported with the above-mentioned body support element in this invention, and deals is not these things limited to seeing. all from a head to a tip of a foot, or desired [a part of] -- it is -- again -- said massage -- free medical treatment -- of course, it is all from a head to a tip of a foot, or desired [a part of] similarly [the movable range of a means]

[0023]

[Effect of the Invention] As mentioned above, if it is in invention of a chair type massage machine according to claim 1 All or a part of a user's weights are supported.

At least The contact part on said user's tooth back of the body, It is the chair type massage machine equipped with the means. said contact part -- setting -- said body tooth back -- receiving -- a massage -- the massage which gives free medical treatment -- free medical treatment -- One or two or more body support elements which have been arranged at juxtaposition with which said contact part consists of strip-of-paper-like sheet textiles which are prolonged in a longitudinal direction to said body, and form the back face to said body tooth back of said contact part, Since it has the frame which arranges said body support element on the top face and said body support element constituted possible [adjustment] with an adjustment means to adjust the tension or die length of said strip-of-paper-like sheet arranged on said frame By supporting body support with two or more sheet textiles base materials, and changing each support condition freely The effectiveness of being able to secure the material property of the sheet textiles which produce moderate pressure distribution, and the high amenity corresponding to liking of an individual and a bodily shape conjointly, and excelling in the sex corresponding to an individual is done so by deforming easily and suiting a body configuration.

[0024] If it is in invention of a chair type massage machine according to claim 2 The leg rest which said contact part was connected at least the seat and ahead [seat] free [attachment and detachment] in the chair type massage machine according to claim 1, and was constituted possible [include-angle modification] to the seat, It connects with the back end of the seat, and since it was made the configuration which has the background put down to the seat, in order to support the body by the principle of a hammock, in addition to an effect of the invention according to claim 1, the effectiveness that the amenity when maintaining a sitting position is high is done so.

[0025] If it is in invention of a chair type massage machine according to claim 3 A body support condition setting means by which have a body support condition detection means by which said body support element detects the support condition in a chair type massage machine according to claim 1 or 2, and a user inputs and sets up the amount of modification to said body support element, Since it has the control means which controls said adjustment means based on the signal from the body support status information from said body support condition detection means, and said body support condition setting means The effectiveness that the tension or die length applied to the sheet textiles material of an everybody object support element according to liking of the user itself with said support condition setting means can be adjusted in addition to an effect of the invention according to claim 1 or 2 is done so.

[0026] at the chair type massage machine constituted in this appearance, a user is in

a taking-a-seat condition in namely, as, for example -- said -- as [carried out] -- it can adjust. In case it uses as a chair, without massaging especially, it is possible to adjust by making the amenity of a taking-a-seat posture into a ground. Furthermore, specifically, it becomes possible by operating the tension of a lumbar part support element, and die length according to the description of an individual body configuration, or liking to perform actuation which it is sufficient for in slight strength, and weakens lumbar support.

[0027] on the other hand -- a massage -- free medical treatment -- facing -- free medical treatment -- since actuation of changing each part support condition is possible so that the burden applied by the child may become the the best for self -- free medical treatment -- the distance of a child and the body can be adjusted free. namely, -- the time of being too exciting -- tension -- strength or die length -- short -- carrying out -- the body -- floating -- free medical treatment -- the case where he wants to obtain a strong stimulus while the load applied to the body by performing actuation which keeps away distance with a child is mitigable -- tension -- weakening -- or die length -- extending -- a body back face -- free medical treatment -- it brings close to a child side and it becomes that it is possible to perform adjustment of heightening effectiveness according to liking.

[0028] If it is in invention of a chair type massage machine according to claim 4 a chair type massage machine according to claim 1 to 3 -- setting -- a massage -- free medical treatment -- the free medical treatment which gives free medical treatment in contact with the body directly [a means] or indirectly -- with a child It has a child location detection means. free medical treatment -- a load detection means to detect the load which a child exerts on the body, and free medical treatment -- the free medical treatment which detects a child location -- the load information detected from this load means in each part of the body, and the massage in that case, since it considered as the configuration which has optimal massage load condition data which consist of relation with the satisfaction level as free medical treatment inside a control means an effect of the invention according to claim 1 to 3 -- in addition, the optimal optimal massage load conditions based on the statistical data which it has inside a control means -- automatic -- selection -- setting up -- a massage on this optimal optimal massage load condition -- the effectiveness that free medical treatment becomes possible is done so.

[0029] namely, in the chair type massage machine constituted in this appearance Free medical treatment is faced. each part of the body -- setting -- free medical treatment -- the load which a child gives to the body, and a massage -- a user -- a massage --

the statistical data about relation with the satisfaction level sensed as free medical treatment -- beforehand -- the interior of a control means -- having -- a massage -- free medical treatment -- the free medical treatment detected at any time in inside -- by collating positional information and load information with said data It is too strong, and a load leads an adjustment means by the control means, when a satisfaction level is low. sheet tension is strengthened -- it is -- it is -- die length is shortened, and on the other hand, when the weak past satisfaction level of a load is low, sheet tension is weakened -- it is -- it is -- die length -- long -- carrying out -- free medical treatment -- distance of a child and the body is shortened and it becomes possible to perform control to which a burden is made to increase.

DESCRIPTION OF DRAWINGS

[Brief Description of the Drawings]

[Drawing 1] It is the mimetic diagram showing the basic configuration of the chair type massage machine concerning this invention.

[Drawing 2] It is the perspective view showing the basic configuration of the chair type massage machine concerning this invention.

[Drawing 3] It is the cross-sectional view showing the adjustment means of the body support element of the chair type massage machine concerning this invention.

[Drawing 4] It is the cross-sectional view showing an adjustment means by which the body support elements of the chair type massage machine concerning this invention differ.

[Drawing 5] It is drawing showing the input section of the support condition setting means of the chair type massage machine concerning this invention.

[Drawing 6] free medical treatment of the chair type massage machine concerning this invention -- it is the cross-sectional view showing the detection means of the load concerning a child.

[Drawing 7] free medical treatment of the chair type massage machine concerning this invention -- it is the cross-sectional view showing the detection means of a child location.

[Drawing 8] free medical treatment of the chair type massage machine concerning this invention -- it is the mimetic diagram of the data table showing the optimal burden according to a child location.

[Drawing 9] It is the flow chart which shows the optimization process of the body support condition by the built-in attribute data of the chair type massage machine

concerning this invention.

[Drawing 10] The basic configuration of the chair type massage machine concerning the conventional example is shown, (a) is a front view and (b) is a side elevation.

[Drawing 11] It is the cross-sectional view showing the basic configuration of the background circumference of the chair type massage machine concerning the conventional example shown in drawing 10 .

[Drawing 12] It is drawing showing the basic configuration of the chair type massage machine concerning the different conventional example.

[Description of Notations]

- 1 Seat
- 2 Leg Rest
- 3 Regions of Back
- 4 Head
- 5 Body Support Element
- 6 Massage -- Free Medical Treatment -- Means
- 7 Support Condition Adjustment Means
- 8 Support Condition Detection Means
- 9 Support Condition Setting Means
- 10 Support State Control Means
- 11 Direct-acting Mold Motor
- 12 Direct-acting Unit
- 13 Sheet Textiles Material Supporter
- 14 Motor
- 15 Roller for Rolling Up
- 16 Free Medical Treatment -- Child
- 17 Pressure Sensor
- 18 Rod
- 19 Strain Gauge
- 20 Load Detection Means
- 21 Frame
- 22 Rail for Movable Rack
- 23 Body of Revolution
- 24 Rotary Encoder
- 25 Free Medical Treatment -- Child Location Detection Means
- 26 User Selection Carbon Button
- 27 "Chair" Carbon Button

- 28 "Massage" Carbon Button
- 29 Support Condition Setting Section
- 30 Body Support Element Adjustment Carbon Button
- 31 "Setup / Storage" Carbon Button
- 32 User Selection Carbon Button
- 33 Support Condition Reappearance Mode Carbon Button
- 34 "Massage Initiation" Carbon Button
- 35 Background
- 36 Gap Section
- 37 Covering
- 38 Seat
- 39 Air Bag
- 40 Compressor Unit
- 41 Air Conditioning Tongue Group